

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits | Search Query   | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|------|--|---|------------------|---------|---------------------|
| S1    | 5    | ((("20030066958") or ("5420425") or ("6700117") or ("20040026613") or ("20080035842")).PN.   | US-PGPUB;<br>USPAT  | OR               | OFF     | 2010/03/17<br>10:40 |
| S2    | 285  | ((SUDAKOV near2 MICHAEL).inv.) ((DING near2 LI).inv.)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2010/03/17<br>11:10 |
| S3    | 16   | S2 and (linear near3 trap\$4)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2010/03/17<br>11:10 |
| S4    | 22   | US-5420425-\$.DID. OR US-5468958-\$.DID. OR US-5650617-\$.DID. OR US-5763878-\$.DID. OR US-6380666-\$.DID. OR US-20030066958-\$.DID. OR US-6570151-\$.DID. OR US-20040026613-\$.DID. OR US-6700117-\$.DID. OR US-20050040330-\$.DID. OR US-6977374-\$.DID. | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR               | ON      | 2010/03/17<br>11:40 |
| S5    | 6742 | (250/281,282,283,288,290,293).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2010/03/17<br>11:41 |
| S6    | 106  | S5 and (linear near3 trap\$4) and (time near2 flight) and (eject\$4 with ion with flight)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2010/03/17<br>11:42 |
| S7    | 27   | S6 and (square rectangular switch\$4) with (dc (direct adj current))   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2010/03/17<br>11:43 |
| S8    | 77   | ((((linear near3 trap\$4) with (time near2 flight)) lit?tof) and (eject\$4 with ion with flight)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2010/03/17<br>12:09 |
| S9    | 10   | S8 and (square rectangular switch\$4) with (dc (direct adj current))   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2010/03/17<br>12:09 |

|     |     |  |   |    |    |                     |
|-----|-----|--|---|----|----|---------------------|
| S10 | 124 | ((2d linear "2"?d (two?dimensional) (two adj dimensional)) near4 (ion adj trap\$4)) and ((ion with eject\$4 with flight) same (trap\$4))   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/03/17<br>12:27 |
| S11 | 28  | S10 and ((slit hole aperture) near4 (electrode trap\$4 pole)) with eject\$4  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/03/17<br>12:30 |
| S12 | 30  | ("5420425"   "5576540"   "5750993"   "5962851"   "6069355"   "6331702"   "6344646"   "6392225"   "6545268").PN. OR ("6797950").URPN.   | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2010/03/17<br>12:57 |
| S13 | 38  | (linear near2 (mass adj spectromet\$4)) and ((slit hole aperture) near4 (electrode trap\$4 pole)) with eject\$4  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/03/17<br>13:02 |
| S14 | 9   | S10 and S13  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/03/17<br>13:03 |
| S15 | 207 | ((tandem) with (mass near2 spectromet\$4)) same ((2d linear "2"?d (two?dimensional) (two adj dimensional)) near4 (ion adj trap \$4))   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/03/17<br>13:33 |
| S16 | 19  | S15 and (switch\$4 rectangular square) with (eject\$4)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/03/17<br>13:45 |
| S17 | 54  | ((mass near2 spectromet\$4 tof (time near2 flight))) same ((2d linear "2"?d (two?dimensional) (two adj dimensional)) near4 (ion adj trap\$4)) and (switch\$4 rectangular square) with (eject\$4) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/03/17<br>13:47 |
| S18 | 35  | S17 not S16  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/03/17<br>13:48 |
| S19 | 38  | ("5576540").URPN.  | USPAT   | OR | ON | 2010/03/17<br>14:17 |

|     |    |  |   |    |     |                     |
|-----|----|--|---|----|-----|---------------------|
| S20 | 82 | (switch\$4 near4 dc) with trap\$4  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2010/03/18<br>07:05 |
| S21 | 23 | S20 and (linear near2 ion near2 trap\$4)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2010/03/18<br>07:05 |
| S22 | 26 | US-5420425-\$.DID. OR US-20020148959-\$.DID. OR US-6583408-\$.DID. OR US-6642514-\$.DID. OR US-20040026611-\$.DID. OR US-6770871-\$.DID. OR US-20040222369-\$.DID. OR US-20050279932-\$.DID. OR US-20050269517-\$.DID. OR US-20060108520-\$.DID. OR US-7064321-\$.DID. OR US-7071467-\$.DID. OR US-7148474-\$.DID. | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2010/03/18<br>07:12 |
| S23 | 4  | US-7391021-\$.DID. OR US-7465940-\$.DID.   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2010/03/18<br>07:13 |
| S24 | 16 | (shimadzu adj research adj laboratory).as.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2010/03/18<br>07:21 |
| S25 | 1  | ("5763878").PN.  | US-PGPUB;<br>USPAT  | OR | OFF | 2010/03/18<br>08:55 |
| S26 | 34 | ("5763878").URPN.  | USPAT   | OR | ON  | 2010/03/18<br>08:57 |

## EAST Search History (Interference)

| Ref # | Hits | Search Query   | DBs            | Default Operator | Plurals | Time Stamp          |
|-------|------|--|----------------|------------------|---------|---------------------|
| S27   | 83   | (250/281,282,283,288,290,293).CCLS.  | UPAD           | OR               | OFF     | 2010/03/18<br>07:09 |
| S28   | 50   | ((2d linear "2"?d (two?dimensional) (two adj dimensional)) near4 (ion adj trap\$4)) and ((ion with eject\$4 with flight) same (trap\$4))         | USPAT;<br>UPAD | OR               | ON      | 2010/03/18<br>07:09 |
| S29   | 2    | S27 and S28  | USPAT;<br>UPAD | OR               | ON      | 2010/03/18<br>07:10 |
| S30   | 86   | ((tandem hybrid) with (mass near2 spectromet \$4)) same ((2d linear "2"?d (two?dimensional) (two adj dimensional)) near4 (ion adj trap\$4))      | USPAT;<br>UPAD | OR               | ON      | 2010/03/18<br>07:14 |
| S31   | 19   | S28 and S30  | USPAT;<br>UPAD | OR               | ON      | 2010/03/18<br>07:15 |
| S32   | 8    | ((((2d linear "2"?d (two?dimensional) (two adj dimensional)) near4 (ion adj trap\$4)) and ((ion with eject\$4 with flight) same (trap\$4))).clm. | USPAT;<br>UPAD | OR               | ON      | 2010/03/18<br>07:17 |
| S33   | 13   | (shimadzu adj research adj laboratory).as.   | USPAT;<br>UPAD | OR               | ON      | 2010/03/18<br>07:23 |

|     |    |   |                |    |    |                     |
|-----|----|---|----------------|----|----|---------------------|
| S34 | 60 | ((SUDAKOV near2 MICHAEL).inv.) ((DING near2 LI).inv.)                                       | USPAT;<br>UPAD | OR | ON | 2010/03/18<br>07:24 |
| S35 | 5  | S34 and ((2d linear "2"?d (two?dimensional) (two adj dimensional)) near4 (ion adj trap\$4)) | USPAT;<br>UPAD | OR | ON | 2010/03/18<br>07:24 |

**3/ 18/ 2010 9:54:48 AM**

**C:\ Documents and Settings\ mlogie\ My Documents\ EAST\ Workspaces\ 10598194rce.wsp**